

## EAST Search History

Ref. #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	(7272177").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/06 09:52
L2	56	ffe and ((pre and post) adj cursor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/06 10:15
L3	23333934	@ad<"20021107"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/06 09:53
L4	26	2 and 3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/06 09:53
L5	35	("20010036160"   "20020067824"   "20020106016"   "20020176492"   "20020191552"   "20030067888"   "20040125487"   "4359778"   "4583235"   "4956838"   "5222084"   "5305307"   "5633863"   "5646958"   "5856970"   "5896452"   "6088827"   "6147979"   "6160790"   "6167082"   "6201831"   "6226332"   "6249544"   "6252904"   "6253345"   "6259729"   "6272173"   "6351531"   "6356555"   "6480532"   "6493448"   "6584160"   "6618480"   "6665402"   "6751255").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/06 10:00
L6	1	("6961373").URPN.	USPAT	OR	ON	2007/09/06 10:00
L7	36	56	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/06 10:00

## EAST Search History

L8	1	7 and 2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/06 10:00
L9	1	7 and ((pre and post) adj cursor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/06 10:00
L10	10	7 and ffe	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/06 10:08
L11	11	(ipr isi cursor ffe decod\$4 analog digital conver\$4).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/06 10:09
L12	3239	375/229,230,232,233.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/06 10:09
L13	180	708/232.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/06 10:09
L14	964	379/340,398.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/06 10:09
L15	4362	L12 L13 L14	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/06 10:09

## EAST Search History

L16	0	15 and 11	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/06 10:09
L17	5655	375/229,230,232,233,350,355.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/06 10:09
L18	6778	L17 L13 L14	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/06 10:09
L19	1	18 and 11	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/06 10:15
L20	38	18 and 2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/06 10:15
L21	122	18 and ((pre.and post) adj cursor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/06 10:15
L22	122	20 21	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/06 10:15
L23	38	22 and 2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/06 10:15

## EAST Search History

L24	66	22 and 3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/06 10:15
L25	16	(US-20030002602-\$ or US-20040136453-\$ or US-20030206604-\$ or US-20020150059-\$ or US-20030184368-\$ or US-20060126715-\$ or US-20040001540-\$).did. or (US-6847602-\$ or US-6563868-\$ or US-6216148-\$ or US-7167516-\$ or US-4893316-\$ or US-6975692-\$ or US-6961373-\$ or US-6272173-\$ or US-6253345-\$).did.	US-PGPUB; USPAT	OR	ON	2007/09/06 10:22
L26	2	("6928106").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/06 10:22
S1	22	(lin hou wei).in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/17 14:29
S2	11	(kuo shieh hsing).in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/17 14:29
S3	9	(hsieh meng han).in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/17 14:29
S4	65	(yen kuang yu).in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/17 14:29

## EAST Search History

S6	78	S1 S2 S3 S4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/17 14:29
S7	9	ffe S6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/17 14:30
S8	8108	375/229,230,232,233.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/17 14:35
S9	179	708/232.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/17 14:33
S10	954	379/340,398.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/17 14:33
S11	4220	S8 S9 S10	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/17 14:33
S13	153	S11 and ffe	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/17 14:34
S16	144	S13 and (multipl\$6)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/07 17:30

## EAST Search History

S17	4413	375/229,230,232,233,350.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/17 14:35
S18	144	S16 and S17	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/17 14:35
S19	127	S18 and delay\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/17 14:36
S20	97	S18 and (filter\$4 same (delay\$4 and multipl\$4 and (add adder adding sum summer summing combin\$4 summed added)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/17 14:37
S21	23304491	@ad<"20021107"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/06 09:53
S22	55	S20 and S21	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/17 14:44
S23	29713	(coefficient tap weight) with fixed	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/17 15:11
S24	113	ffe and S23	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/17 14:44

## EAST Search History

S25	25	ffe same S23	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/17 14:44
S26	8	("4789994"   "5031194"   "5293402"   "5414733"   "5524125"   "5748674"   "6269116"   "6414990").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/17 14:51
S27	34620	(coefficient tap weighth) near ("1" one unity)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/17 15:07
S28	20	("4225937"   "4823382"   "5243624"   "5392315"   "5416799"   "5526426"   "5548541"   "5590154"   "5627896"   "5721782"   "5805481"   "5907497"   "5914983"   "5920840"   "6044068"   "6058408"   "6078614"   "6240133"   "6256384"   "6266409").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/17 15:05
S29	3	("6563868").URPN.	USPAT	OR	ON	2007/04/17 15:06
S30	209	S27 and ffe	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/17 15:08
S31	39	S27 same ffe	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/17 15:08
S32	10631	(coefficient tap weighth) near (constant fixed)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/17 15:22
S33	23	ffe and S32	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/17 15:22

## EAST Search History

S34	7919	(feed adj forward adj equali\$7) ffe	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/17 17:58
S35	80280	(coefficient tap weighth) with (constant fixed)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/17 15:22
S36	251	S34 and S35	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/17 15:23
S37	108	S21 and S36	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/17 17:55
S38	3	ffe and (digital adj gain adj control\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/17 17:58
S39	23304491	@ad<"20021107"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/17 17:55
S40	7919	(feed adj forward adj equali\$7) ffe	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/17 17:58
S41	766	(digital adj gain adj.control\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/17 18:00

## EAST Search History

S42	7	S40 and S41	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/17 17:58
S43	86786	gain adj control\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/17 18:00
S44	96	S40 same S43	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/17 18:00
S45	64	S44 and S39	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/17 18:08
S46	5	("2003007581").PN:	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/17 18:09
S47	2	("20030007581").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/17 18:09
S48	3146	375/229,230,232,233.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/07 17:30
S49	179	708/232.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/07 17:30

## EAST Search History

S50	958	379/340,398.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/07 17:30
S51	4262	S48 S49 S50	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/06 10:09
S52	159	S51 and ffe	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/07 17:30
S53	150	S52 and (multipl\$6)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/07 17:39
S54	0	(ffe filter parameter cursor interference delay multiplier summing gain center fixed).clm.	USPAT	AND	ON	2007/06/07 17:40
S55	0	S51 and S54	USPAT	AND	ON	2007/06/07 17:40
S56	2	("5581585").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/16 12:13
S57	32	("3798576"   "3931585"   "3962637"   "4071827"   "4129748"   "4303837"   "4456890"   "4490688"   "4494242"   "4520489"   "4583234"   "4677647"   "4694259"   "4791386"   "4805191"   "4815103"   "4862485"   "4896334"   "4972442"   "4975660"   "5018166"   "5048060"   "5059924"   "5068628"   "5119401"   "5159291"   "5181228"   "5214671"   "5297165"   "5325400"   "5353312"   "5388127").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/16 12:20
S58	0	S57 and (tap weight coefficient) and ffe	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/16 12:21

## EAST Search History

S59	19	S57 and (tap weight coefficient)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/16 12:21
S60	2	("5581585").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/09 17:45
S61	35921	sample adj hold	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 19:33
S65	5684	infinite adj impulse adj response	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 17:46
S67	352997	(analog adj digital) a/d adc	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 19:33
S68	100	inverse adj partial adj response	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 17:46
S69	5743	S68 S65	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 19:33
S70	1	S61 S67 S69	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2007/08/09 17:48
S71	172	S61 S67 S69	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/09 17:48

## EAST Search History

S72	23329104	@ad<"20021107"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/09 19:36
S73	112	S71 S72	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/09 17:48
S74	1	("2003/0184368").URPN.	USPAT	OR	ON	2007/08/09 17:56
S75	10	S61 same S69	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 17:56
S76	36729	sampl\$4 adj hold	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 19:33
S77	5684	infinite adj impulse adj response	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 19:33
S78	100	inverse adj partial adj response	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 19:33
S79	5743	S78 S77	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 19:33
S80	10	S76 same S79	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 19:36

## EAST Search History

S81	352997	(analog adj digital) a/d adc	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 19:33
S82	430	S81 same S79	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 19:33
S83	1	S80 and S82	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 19:33
S84	17	S76 and S82	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 19:36
S85	23329104	@ad<"20021107"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/09 19:36
S86	13	S84 S85	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/09 19:37
S87	156	("4893316").URPN.	USPAT	OR	ON	2007/08/09 20:09
S88	4	S87 and S85 and S79	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 20:43
S89	5684	infinite adj impulse adj response	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 20:43

## EAST Search History

S90	100	inverse adj partial adj response	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 20:43
S91	5743	S90 S89	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 20:43
S92	5743	S91	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 20:43
S93	99	reduc\$4 near (peak adj average adj ratio)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 20:44
S94	0	S92 and S93	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 20:43
S95	585	(peak adj average adj ratio)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 20:44
S96	4	S92 and S95	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 20:44

**This Page is Inserted by IFW Indexing and Scanning  
Operations and is not part of the Official Record**

## **BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- BLACK BORDERS**
- IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- FADED TEXT OR DRAWING**
- BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- SKEWED/SLANTED IMAGES**
- COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- GRAY SCALE DOCUMENTS**
- LINES OR MARKS ON ORIGINAL DOCUMENT**
- REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- OTHER:** \_\_\_\_\_

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.**